

Title (en)
Anti-tamper encrypting keypad

Title (de)
Anti-tamper Verschlüsselungstastatur

Title (fr)
Clavier à cryptage anti-tamper

Publication
EP 2819059 A1 20141231 (EN)

Application
EP 14163917 A 20140408

Priority
US 201313926454 A 20130625

Abstract (en)
A keypad (10) is described. The keypad (10) comprises: a keypad housing (12) defining a plurality of key apertures; a plurality of physical keys (16), each physical key (16) being located in a respective key aperture and being moveable with respect to the key aperture; and a non-contact (for example, capacitive) sensing layer (60) located beneath the plurality of keys (16). A touch controller (32) is coupled to the capacitive sensing layer (60) and is operable to ascertain a touch location corresponding to a depressed key (16). A cryptographic controller (22) may be provided in communication with the touch controller (32) and is operable to interpret the touch location.

IPC 8 full level
G06F 21/83 (2013.01); **G06F 3/02** (2006.01); **G07F 7/10** (2006.01)

CPC (source: BR CN EP US)
G06F 3/0219 (2013.01 - BR EP US); **G06F 3/0416** (2013.01 - EP US); **G06F 21/83** (2013.01 - BR EP US); **G06F 21/86** (2013.01 - BR CN EP US); **G07F 7/1016** (2013.01 - BR EP US); **H03M 11/006** (2013.01 - BR US); **G06F 2221/2143** (2013.01 - BR EP US)

Citation (search report)
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• [X] US 2007204173 A1 20070830 - KUHN JASON [US]
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• [A] US 2011185319 A1 20110728 - CARAPELLI GIOVANNI [IT]
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2819059 A1 20141231; BR 102014015621 A2 20160322; BR 102014015621 B1 20220419; CN 104252608 A 20141231; CN 104252608 B 20181012; IN 2033CH2014 A 20150703; US 10218383 B2 20190226; US 2014375481 A1 20141225

DOCDB simple family (application)
EP 14163917 A 20140408; BR 102014015621 A 20140624; CN 201410205798 A 20140515; IN 2033CH2014 A 20140421; US 201313926454 A 20130625